

Mohammad Keramatipour, MD, PhD (Cantab)

Assistant Professor

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Date and Place of birth: 1st September 1971, Torbat-e-jam, Iran

Education

- 1999-2004 **Doctor of Philosophy (Ph.D.)**, Gonville and Caius College, University of Cambridge, Cambridge, UK (included a year of taught course with a research project)
- 1990-1997 **Doctor of Medicine (M.D.)**, Birjand University of Medical Sciences, Birjand, Iran
- 1985-1989 **Diploma** in Math. & Phys., Agha Mostafa Khomeini High school, Mashhad, Iran

Clinical and Research Experience

- 2000-2004 **PhD thesis** on genetics of cardiovascular disorders, Title: "Regulation of cardiovascular cell phenotype by BTEB3"
- 1999-2000 **Thesis included in the taught course:** "Isolation and characterisation of DNA satellite sequences associated with human chromosomes centromeric regions"
- 1997-1998 **General Practitioner**, Hasheminejad Hospital & Sarvar Clinic, Mashhad University of Medical Sciences, Mashhad, Iran
- 1996-1997 **MD thesis** on "The effect of garlic on serum lipids in hyperlipidemic patients"

Courses and Workshops

- July 2008 **Human genome analysis: genetic analysis of multifactorial diseases**, Wellcome Trust Advanced Courses, Wellcome Trust Genome Campus, Hinxton, Cambridge, United Kingdom
- Sep 2007 **Design and analysis of genetic-based association studies**, Wellcome Trust Advanced Courses, Wellcome Trust Genome Campus, Hinxton, Cambridge, United Kingdom
- March 2003 **16th Course in Medical Genetics**, by European School of Genetic Medicine, University of Bologna, Italy
- Feb 2001 **Bioinformatics workshop**, Gonville and Caius College, Cambridge, UK
- Dec 2000 **Microarray workshop**, Human Genome (Sanger) Centre, Cambridge, UK
- 1999-2000 **Genetic taught course**, (One year) included lectures, a research project, and formal exams, Gonville and Caius College, University of Cambridge, Cambridge, UK

Miscellaneous Work / Academic Experience

- 2009-Present **Deputy of Research**, Department of Medical Genetics, Tehran University of Medical Sciences, Tehran, Iran
- 2008-Present **Vice-president**, Iranian Society of Medical Genetics, Tehran, Iran
- 2008-Present **Member of the Governing Board**, Iranian Scientific Association of Clinical Laboratory, Tehran, Iran
- 2005-Present **Assistant Professor**, Department of Medical Genetics, Tehran University of Medical Sciences, Tehran, Iran
- 2004-2005 **Assistant Professor**, Department of Immunology, Section of Medical Genetics, Ghaem Hospital, Mashhad University of Medical Sciences, Mashhad, Iran
- Nov 2005 **Organiser and faculty member**, 7th Course in Molecular Cytogenetics and DNA Microarrays, European School of Genetic Medicine, Remote Training Center in Tehran
- Oct 2005 **Organiser and faculty member**, 9th Course in Cancer Genetics, European School of Genetic Medicine, Remote Training Center in Tehran
- 2002-2004 **Teaching Medical Genetics**, Gonville and Caius College, University of Cambridge, Cambridge, UK
- May 2003 **Organiser and Local Host**, 10th Iranian Researchers' Seminar In Europe (IRSE2003), Molecular Sciences and Biotechnology, University of Cambridge, Cambridge, UK
- 2000-2002 **Lecturer in Medical Genetics** (Part-time), St Christopher's College of Medicine, Cambridge, UK
- June 2001 **Organiser**, Genetics and Biotechnology Group, 8th Iranian Researchers' Seminar In Europe (IRSE2001), UMIST University, Manchester, UK
- 1997 **Editor**, Journal of Birjand University of Medical Sciences, Birjand, Iran

Honours and Awards

- October 2003 Winner of the "**Young Investigator Award**", HUPO 2nd & IUBMB XIX Joint World Congress, Montreal, Canada
- October 2003 Winner of the "**Best Poster Price**", HUPO 2nd & IUBMB XIX Joint World Congress, Montreal, Canada
- July 2003 Winner of a "**Full Travel Award**", 19th International Congress of Genetics, Melbourne, Australia
- 1999-2004 **Full scholarship** to complete a PhD degree in Medical Genetics at the University of Cambridge awarded by Iran Ministry of Health and Medical Education
- October 1995 **First in the Pre-internship Examination**, Birjand University of Medical Sciences, Birjand, Iran
- April 1989 **First in Mathematics Olympiad** in Khorassan Province, Iran

Publications (in English)

1. **Keramatipour M**, Goddard CA, Colledge WH, Gordon AR, Kaup SS, Warren M, Metcalfe C, and Kemp PR. Enhance growth factor gene expression and early onset cardiomyopathy in mice lacking the Kruppel-like factor KLF13. *Submitted to J Biol Chem. (JBC)*.
2. Heidari A, Noori Dalooi MR, **Keramatipour M**, Rashidinezhad A, Sahmani AA, Amirzargar AA. CTLA-4 gene polymorphisms (-318C/T, +49A/G, +6230A/G) in Iranian patients with multiple sclerosis. *Iran J Allergy Asthma Immuno. 2010 Dec, 9(4), 219-23*.
3. Amoli MM, Amiri P, Tavakkoly-Bazzaz J, Charmchi E, Hafeziyeh J, **Keramatipour M**, Abiri M, Hasani Ranjbar S, Larijani B. Replication of TCF7L2 rs7903146 association with type 2 diabetes in an Iranian population. *Genet Mol Biol 2010, 33 (3), 449-51*.
4. Jeddi-Tehrani M, Torabi R, Mohammadzadeh A, Arefi S, **Keramatipour M**, Zeraati H, Zarnani AH, Akhoondi MM, Mahmoudian J, Mahmoudi AR, and Zarei S. Investigating association of three polymorphisms of coagulation factor XIII and recurrent pregnancy loss. *Am J Reprod Immunol 2010 Sep, 64(3), 212-7*.
5. Izad M, Vodjgani M, Niknam MH, Amirzargar AA, Shahbeigi MD, Heidari AB, and **Keramatipour M**. Cytokines genes polymorphisms and risk of multiple sclerosis. *Am J Med Sci 2010 Apr, 339(4), 327-31*.
6. Izadi M, Abiri M, and **Keramatipour M**. Producing a mammalian GFP expression vector containing neomycin resistance gene. *AJMB 2009, 1 (1), 33-36*.
7. **Keramatipour M**, Gordon AR, Outram SV, Goddard CA, Colledge WH, Metcalfe JC, Hager-Theodorides AL, Crompton T, & Kemp PR. Splenomegaly and modified erythropoiesis in KLF13^{-/-} mice. *J. Biol. Chem. (JBC) 2008, 283, 11897-11904*.
8. Nouri-Dalooi MR, Heidari A, **Keramatipour M**, Rashidi-Nezhad A, and Amirzargar AA. Lack of association between MGP gene promoter polymorphism (-318 C/T) and Multiple Sclerosis in Iranian population. *Journal of science, Islamic Republic of Iran 2008, 19(1), 15-17*.
9. **Keramatipour M**. An introduction to RNA interference (RNAi). *Genetics in the 3ed Millennium 2005, 2(4), 470-480*.
10. **Keramatipour M**, Goddard CA, Colledge WH, and Kemp PR. Hypertension and cardiac hypertrophy in BTEB3 null mice. *HEART 2004, 90, ISSN: 1355-6037*.
11. **Keramatipour M**, Ellis PD, Grace AA, Metcalfe JC, and Kemp PR. The role of transcription factor BTEB3 in the regulation of smooth muscle-specific gene expression in vivo. *American Journal of Human Genetics 2003, 73, 343-343, ISSN: 0002-9297*.
11. **Keramatipour M**, McConnell R, Tebbs S, Kirkpatrick P, Furlong RA and Rubinsztein DC. The ACE I allele is associated with increased risk for ruptured intracranial aneurysms. *Journal of Medical Genetics 2000, 37(7), 498-500*.
12. Furlong RA, **Keramatipour M**, Ho LW, Rubinsztein JS, Michael A, Walsh C, Paykel ES, and Rubinsztein DC. No association of an insertion/deletion polymorphism in the Angiotensin I Converting Enzyme gene with Bipolar or Unipolar Affective Disorders. *American Journal of Medical Genetics 2000, 96(6), 733-5*.

Publications (in Persian)

1. Abiri M, Sadeghian S, Haki E, Borumand MA, Mehdipour P, Izadi M, and **Keramatipour M**. T-138 and A-7G polymorphisms in the MGP gene and the association with coronary artery disease. *TUMJ*, 2009, 67 (2), 94-100.
2. Torabi R, Ostad Karampour M, Mohammadzadeh A, Arefi S, **Keramatipour M**, Zarei S, Zeraati H, and Jeddi-Tehrani M. The relationship between polymorphisms of blood coagulation factor V gene and recurrent pregnancy losses. *Medical Journal of Reproduction & Infertility*, 2009, 9 (4), 305-316.
3. Safarpour E, Parivar K, Akhondi MA, Jeddi-Tehrani M, Shokri F, Zarnani AH, **Keramatipour M**, Salehkhous S, Eini L, and Sadeghi MR. Studying the effects of TGF-B2 and BMP-2 growth factors on differentiation of murine embryonic stem cells into cardiomyocytes. *Medical Journal of Reproduction and Infertility* 2007, 7(4), 338-348.
4. Jahanbakht H, Parivar K, Akhondi MA, Jeddi-Tehrani M, Modarresi MH, Sadeghi MR, **Keramatipour M**, Zarnani AH, and Salehkhous S. Evaluating the effects of NGF, RA and Shh growth factors on murine embryonic stem cell differentiation into neurons and oligocytes. *Medical Journal of Reproduction and Infertility* 2007, 7(4), 349-357.

Language Farsi (Mother language), English (Fluent), Arabic (Pre-intermediate)

Web-site English: http://medicine.tums.ac.ir/en/Professor_cv.aspx?lt=8&uid=5848
Farsi: http://medicine.tums.ac.ir/fa/Professor_cv.aspx?lt=8&uid=5848

References

1. Dr Paul R Kemp, Senior Lecturer, Biological Nanoscience, National Heart and Lung Institute, Imperial College, Sir Alexander Fleming Building, Exhibition Road, London SW7 2AZ, UK
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2. Prof Reza Farid Hosseini, Head of the Department of Immunology, Ghaem Hospital, Mashhad University of Medical Sciences, Mashhad, Iran
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3. Dr Elizabeth Harper, Tutor for graduate students, Gonville and Caius College, Trinity Street, Cambridge CB2 1TA, UK
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